



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599

[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

## NOTICE OF ACCEPTANCE (NOA)

Firestone Building Products Company, LLC  
250 W. 96<sup>th</sup> Street  
Indianapolis, IN 46260

### SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

### DESCRIPTION: ( UC - 6 ) Structural Standing Seam Roof Panel System

**APPROVAL DOCUMENT:** Drawing No. UC-6, titled " UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated April 24, 2013, signed and sealed by Terrence E. Wolfe, P.E on April 25, 2013, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

### MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

**LABELING:** Each panel shall bear a permanent label with the manufacturer's name or logo, Collage Park, GA; Anoka, MN; Las Vegas, NV; Warren, MI, and the statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 07-0822.02 and consists of this page 1, evidence submitted pages E-1, E-2, & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



*Helmy A. Makar*  
05/09/2013

NOA No. 10-1214.04  
Expiration Date: 02/06/2018  
Approval Date: 05/09/2013  
Page 1

**Firestone Building Products Company, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-0509.12**

**A. DRAWINGS**

1. *Drawing No. UC-6, titled "Copper Sales, Inc. UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 07, 2003, signed and sealed by Terrence E. Wolfe, P.E.*

**B. TESTS**

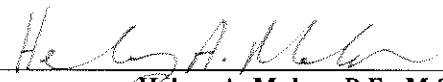
1. *Test report on Accelerated Weathering Testing of Coating 2000 hours per ASTM G26-96, prepared by Asphalt Technologies, dated October 8, 2002, signed and sealed by Charles L. Thomas, P.E.*
2. *Test report on Salt Spray Testing of Coating 1000 hours per ASTM B117-95, prepared by Asphalt Technologies, dated October 8, 2002, signed and sealed by Charles L. Thomas, P.E.*
3. *Test report on Uplift Resistance Test per UL-580 Class 90, on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Architectural Testing Report No. 01-38064.01, dated January 09, 2001, signed and sealed by Allen Reeves, P.E.*
4. *Susceptibility to leakage test in accordance with Miami-Dade county Protocol PA 114 Appendix G on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Farabaugh Engineering and Testing, Inc. Report No. T200-00, dated September 27, 2000, signed and sealed by Daniel G. Farabaugh, P.E.*
5. *Wind Driven Rain Test in accordance with Miami-Dade county Protocol PA 100-95 on 22 ga. (0.032") Standing Seam Roof Panel, prepared by Architectural Testing Report No. 01-38064.01, dated January 09, 2001, signed and sealed by Allen Reeves, P.E.*

**C. CALCULATIONS**

1. *Calculations titled "UC-6 Structural Standing Seam Roof Panel", dated October 25, 2002, pages 1 through 11, prepared by Thomas M. Shingler, P.E., signed and sealed by Thomas M. Shingler, P.E.*

**D. MATERIAL CERTIFICATIONS**

1. *Mill Certified Test Report issued by Pacesetter Steel Service, Inc., dated 03/16/02, with chemical composition and mechanical properties of 22 ga. Coated G90 Commercial Steel.*
2. *Tensile Test Report No. 01-38064.03, prepared by Architectural Testing, dated January 18, 2001, signed and sealed by Allen Reeves, P.E.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 10-1214.04**  
**Expiration Date: 02/06/2018**  
**Approval Date: 05/09/2013**

**Firestone Building Products Company, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0821.07**

**A. DRAWINGS**

1. *Drawing No. UC-6, titled " UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated January 07, 2003, signed and sealed by Terrence E. Wolfe, P.E on January 24, 2007.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*

**3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #07-0822.02**

**A. DRAWINGS**

1. *None.*

**B. TESTS**

1. *None.*

**C. CALCULATIONS**

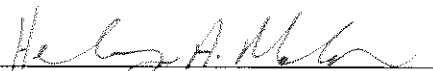
1. *None.*

**D. QUALITY ASSURANCE**

1. *By Miami-Dade County Building Code Compliance Office.*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
**Product Control Unit Supervisor**  
**NOA No. 10-1214.04**  
**Expiration Date: 02/06/2018**  
**Approval Date: 05/09/2013**

**Firestone Building Products Company, LLC**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**4. NEW EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. *Drawing No. UC-6, titled " UC-6 Structural Standing Seam System", sheets 1 through 6 of 6, prepared by Terrence E. Wolfe, P.E., dated April 24, 2013, signed and sealed by Terrence E. Wolfe, P.E on April 25, 2013.*

**B. TESTS**

1. *Test report on Uplift Resistance Test per UL-580 Class 90, on 22 ga. (0.032") Standing Seam Roof Panel, prepared by HTL Report No. 0227-0503-10, dated August 02, 2010, signed and sealed by Vinu j. Abraham, P.E.*

**C. CALCULATIONS**

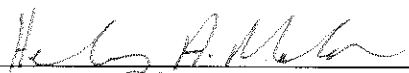
1. *None.*

**D. QUALITY ASSURANCE**

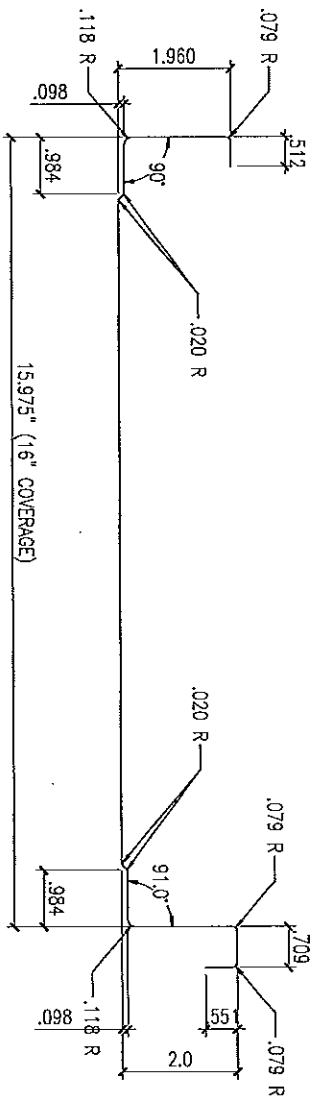
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*

**E. MATERIAL CERTIFICATIONS**

1. *None.*



**Helmy A. Makar, P.E., M.S.**  
Product Control Unit Supervisor  
NOA No. 10-1214.04  
Expiration Date: 02/06/2018  
Approval Date: 05/09/2013



TERENCE E. MOFFITT  
No. 44928  
Professional Engineer  
State of Florida  
04/25/13

UC-6 CROSS SECTION

## PANEL PROPERTIES

PANEL THICKNESS	YIELD STRENGTH	TENSILE STRENGTH	ELONGATION	STEEL COATING	PAINT COATINGS
.032 MIN. COATED	50 KSI	60	20	AZ 55	PVF2

## PANEL ACCESSORIES

DYNAMIC FASTENERS 9911 E. 53RD. STREET RAYTOWN (K.C.) MO 64133	1/4-14 X 1 7/8" LONG HHV T-3 SCOTS SELF DRILLER W/ROUNDED NEED. WASHER V/LONG LIFE COATING AND STAINLESS CAP	1/8" X 1" BUTYL TAPE #TC99-35 ISOBUTYLENIC TERPOLYMER TAPE
1/4-14 X 1 1/4" LONG HHV T-3 SELF DRILLER V/ROUNDED NEED. WASHER V/LONG LIFE COATING	ONE-PART MOISTURE CURING POLYURETHANE SEALANT	CLOSED CLIP
12 X 1 1/4" LONG PANCAKE HEAD SELF DRILLER MINIMUM 80 ZINC COATING	POLYURETHANE SEALANT	OPEN CLIP

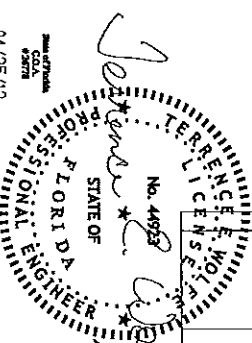
### NOTES:

- THE 22 GAUGE (.032 MIN.COATED) UC-6 STANDING SEAM ROOF PANELS SHALL BE USED FOR ROOF CONSTRUCTION ONLY. THE ACTUAL ROOF PROJECT SHALL BE CONSTRUCTED USING THE SAME DETAILS SHOWN ON THESE DRAWINGS INCLUDING:
  - DETAILS OF ALL PANEL MATERIAL CHARACTERISTICS AND SECTIONS WITH DIMENSIONS AND THICKNESS.
  - ASSEMBLY DETAILS INCLUDING ALL CONNECTION'S FASTENERS DIAGRAM WITH SIZE AND LOCATION.
  - PANEL MAXIMUM SPAN AND PRESSURE FOR THE FIELD, PERIMETERS AND CORNERS BASED ON PANEL ALLOWABLES, SHOWN BELOW.
- THE MAXIMUM ALLOWABLE SPANS AND UPLIFT PRESSURES FOR THE (.032" MIN. COATED) UC-6 STEEL ROOF PANEL SHALL BE BASED ON THE FOLLOWING PANEL'S ALLOWABLES:
  - MAX. ALLOWABLE BENDING MOMENT OF PANEL AT SUPPORTS = 80.83 FT-LBS
  - MAX. ALLOWABLE BENDING MOMENT OF PANEL BETWEEN SUPPORTS = 47.17 FT-LBS
  - MAX. ALLOWABLE PANEL REACTION AT SUPPORTS = 251 LBS
  - MAX. ALLOWABLE DEFLECTION OF PANEL = 1/240

PANEL'S EI VALUE = 1,730,754.6 LBS-IN<sup>2</sup>
- TO OBTAIN THE MAXIMUM ALLOWABLE DESIGN UPLIFT PRESSURE USE THE LOWEST PRESSURE OBTAINED FROM THE ABOVE PANEL ALLOWABLES AND MULTIPLY IT BY 12/16.
- MAXIMUM ALLOWABLE PANEL SPAN IS 5 FEET.
- ALL PANEL ATTACHMENT CHANNELS SHALL BE ATTACHED TO STEEL SUPPORT MEMBERS WITH 0.0575" MINIMUM THICKNESS.
- PANEL END LAPS ARE NOT PERMITTED.

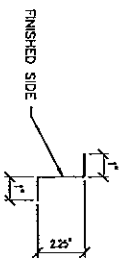
PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 10-1214.04  
Expiration Date 02/06/2018  
By *[Signature]*  
Miami Data Product Control

INVESTIGATING DIVISION	TERENCE E. MOFFITT P.E.	DESCRIPTION	CHL
FIELD INSPECTION NO.	44928		
	UC-6 STRUCTURE, STANDING SEAM SYSTEM		
PRESTON BUILDING PRODUCTS COMPANY, LLC	250 West 96th Street Indianapolis, IN 46260		
DATE	DATE	DATE	DATE
UC-6 DETAILS	UC-6 DETAILS	UC-6 DETAILS	UC-6 DETAILS
LOCATION	DATE	DATE	DATE
DATE COUNTY, FLORIDA	56-010-13	UC-6	1

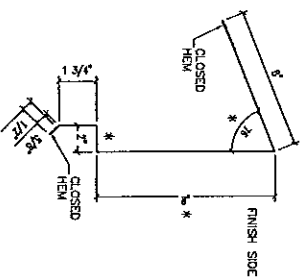


04/25/13

PREFINISHED "Z" CLOSURE (1-.025" MIN.COATED)



PREFINISHED TOP COPING (t=.026" MIN, COATED)



\* ASTERICK ITEMS ARE ADJUSTED TO FIELD SPECIFIC CONDITIONS.



PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No 10-1214-04  
Expiration Date 02/06/2018

By *[Signature]*  
Miami Dade Product Control

MANUFACTURING SPECIFICATIONS  
TIRENOX C. WULF, P.E. DISCIPLINE : CIVIL  
FORM NO. 2000-001-01  
44621

UC-5 STRUCTURAL STEERING SEAM STUDS

PRESTONE BUILDING PRODUCTS COMPANY, LLC  
250 West 96th Street  
Indianapolis, IN 46260

PROJECT  
NAME  
DOE COUNTY PRODUCT APPROVAL-FEB REC 2010

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DOE COUNTY, FLORIDA

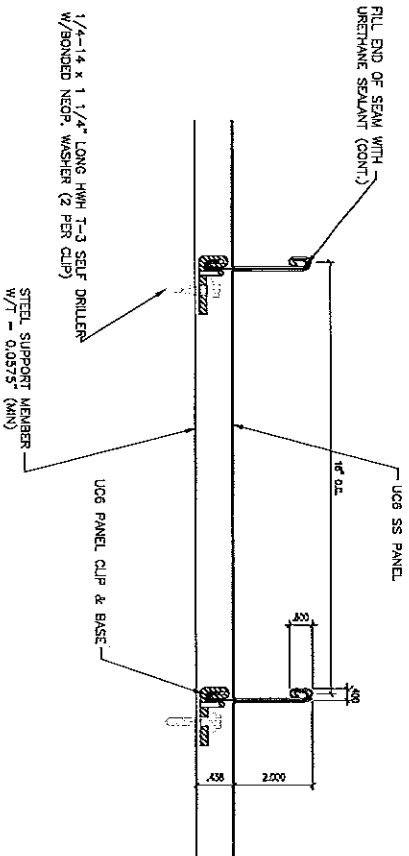
LOCATION

SE-010-13

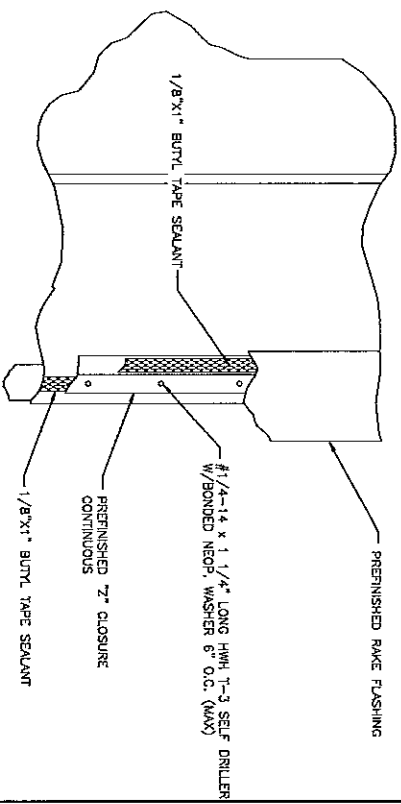
UC-6

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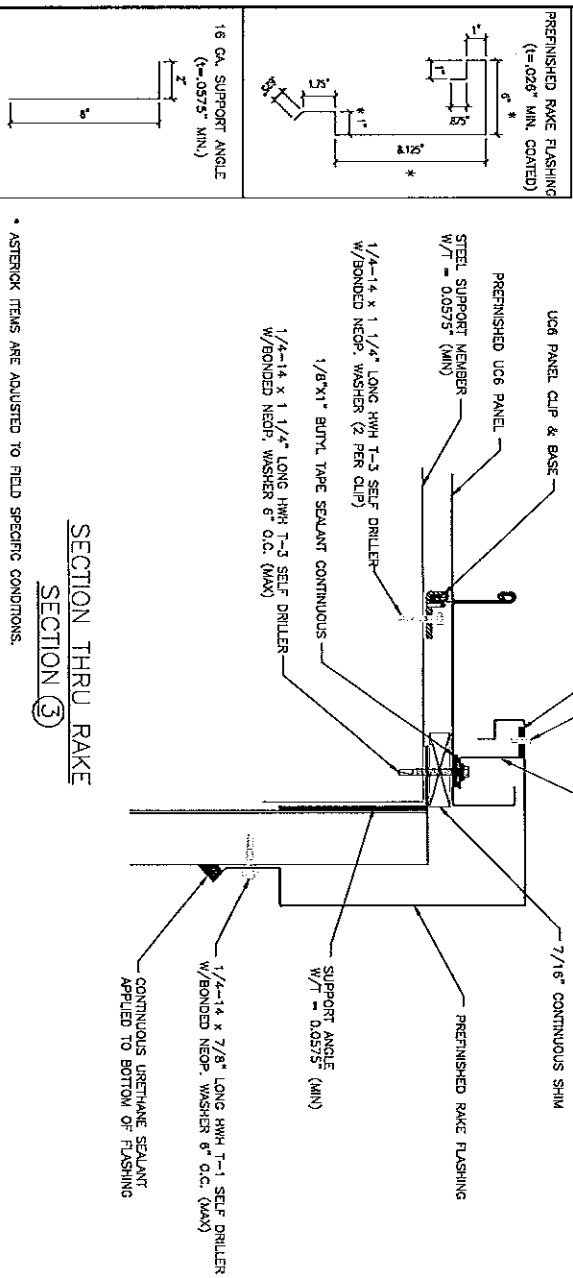




UC-6 STANDING SEAM PANEL SUPPORT DETAILS  
SECTION ①



PLAIN VIEW AT RAKE



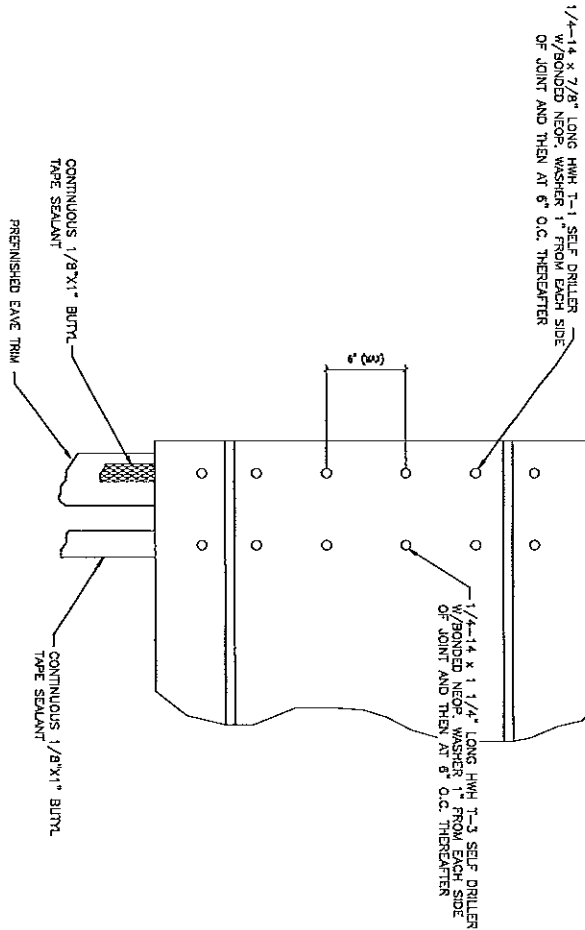
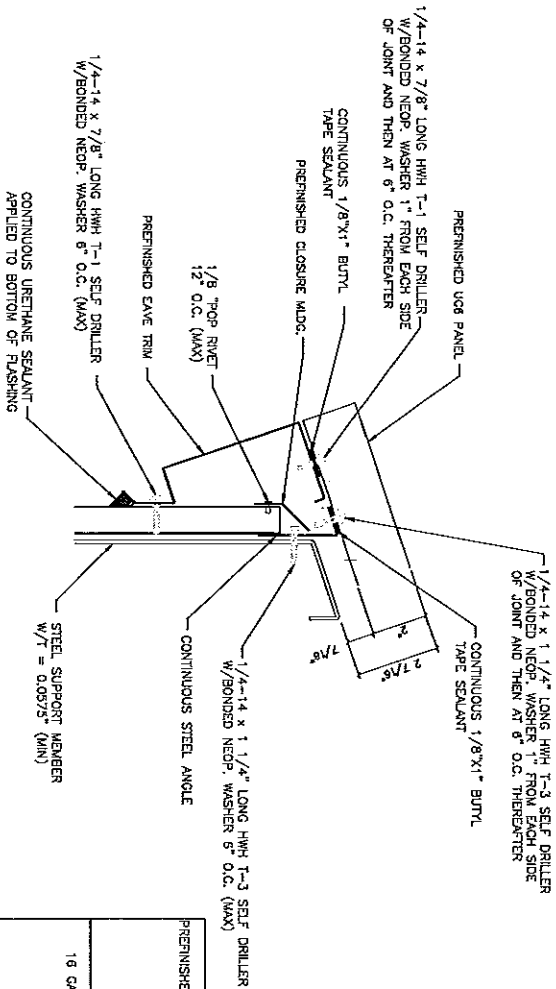
SECTION THRU RAKE  
SECTION ③

\* ASTERICK ITEMS ARE ADJUSTED TO FIELD SPECIFIC CONDITIONS.

PROJECT REVISIONS as complying with the Florida Building Code Acceptance No 10-1214.04 Expiration Date 07/06/2018 By <i>[Signature]</i> Master Code Product Control	
APPROVED FOR SUBMITTAL TERENCE L. WOLFE, P.E. DISCIPLINE: C - CIVIL 44923 UC-6 STRUCTURAL STANDING SEAM SYSTEM	
PREPARED BY FIRESTONE BUILDING PRODUCTS COMPANY, LLC 250 West 96th Street Indianapolis, IN 46260	
DATE COUNTY PRODUCT APPROVAL-PER FEB 2016	
PROJECT TITLE UC-6 DETAILS	PROJECT NUMBER 56-0101-13
LOCATION DANE COUNTY, WISCONSIN	SHEET NUMBER UC-6 4



SEAL AT BOTTOM OF PANEL.



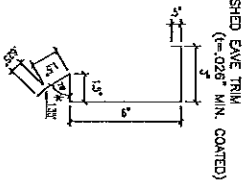
PLAIN VIEW LOW EAVE

04/25/13

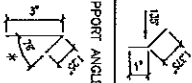
\* ASTERICK ITEMS ARE ADJUSTED TO FIELD SPECIFIC CONDITIONS.

SECTION THRU LOW EAVE

## SECTION 2



PREFINISHED GAVE TRIM  
(t=.026" MIN. COATED)



16 GA. SUPPORT ANGLE (1=.0575" MIN.)

TERRENCE E. WOLFE, P.E. DISCIPLINE : CIVIL

44923

UC-8 STRUCTURAL STANDING SEAM SYSTEM

1

FILES:ONE BUILDING PRODUCTS COMPANY, LLC  
250 West 96th Street

Product	.....
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DATE SUBMITTED: \_\_\_\_\_

#### UC-8 DETAILS

DADE COUNTY, FLORIDA

PRODUCT REVISED

13-00000

Accession No 10-1214-04

Expiration Date 07-06-2018

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MIAMI DATA PROCESS CONTROL

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**ORDER NO. 2011-01**

**DISCIPLINE : CIVIL**

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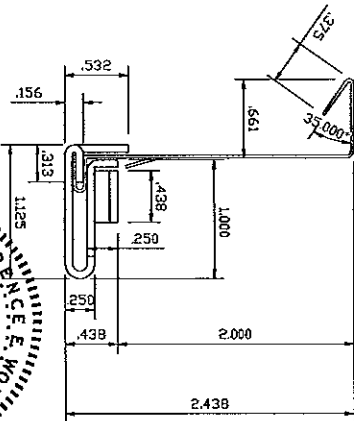
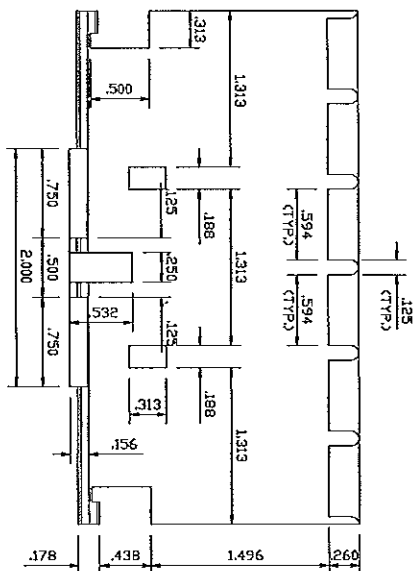
	Y, LLC
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Of note	
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Protein	
Protein	

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UC-6	6
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04/25/13

BASE  
No. of Products  
GMA  
4/25/13

1125

NO. 44923

STATE OF FLORIDA

PROFESSIONAL ENGINEER

TERENCE E. MOULTON

FLORIDA LICENSE

Circumstance	Percentage (%)
If someone is attacking you	85
If someone is threatening you	75
If someone is harassing you	65
If someone is insulting you	55
If someone is annoying you	45

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptances No. 10-1214, 04  
Expiration Date 07/06/12, 18  
By: M. J. ...  
Miami Dade Product Control